



Practitioner's Docket No. 1012-166C2

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Damian Hajduk et al.

Application No.: 10/712,617

Group No.: 2856

Filed: 11/12/2003

Examiner: Larkin, Daniel S.

For: RHEOMETER FOR RAPIDLY MEASURING SMALL QUANTITY SAMPLES

**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

INFORMATION DISCLOSURE STATEMENT

Applicants submit this statement in accordance with their duty of disclosure under 37 CFR 1.56 and 1.97-1.98. The submission made herewith is in no way intended as an admission that the cited items constitute material prior art or otherwise would render the claims unpatentable in any way. The submission also is in no way intended to substitute for the Examiner's own independent investigation.

Copies of some foreign patent documents and non-patent literature together with a listing on forms PTO/SB/08A and PTO/SB/08B are submitted herewith. Copies of cited U.S. patents and U.S. patent application publications the remaining foreign patent documents and non-patent literature have not been provided due to the waiver of the

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requirement under 37 CFR 1.98 (a)(2)(i) or due to their presence in the parent application. Applicants respectfully solicit the Examiner's consideration of the cited references and entry thereof into the record of this application.

This Information Disclosure Statement is being submitted after the mailing of a first Office Action but before the final rejection. A fee of \$180.00 is believed to be due. Please charge any fee deficiencies to deposit account 50-0496.

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11/22/04

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2**Complete if Known**

Application Number	10/712,617
Filing Date	11/12/2003
First Named Inventor	Damian Hajduk et al.
Group Art Unit	2856
Examiner Name	Larkin, Daniel S.
Attorney Docket Number	1012-166C2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,343,190		Danko et al.	08/10/1982	
		4,567,774		Manahan et al.	02/04/1986	
		4,602,501		Hirata	07/29/1986	
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		5,271,266		Eschbach	12/21/1993	
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		5,314,572		Core et al.	05/24/1994	
		5,326,726		Tsang et al.	07/05/1994	
		5,345,824		Sherman et al.	09/13/1994	
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		5,417,111		Sherman et al.	05/23/1995	
		5,454,904		Ghezze et al.	10/03/1995	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	96/14930		Highbright Holdings Limited	05/23/1996		
		JP	55-65136		Tateishi	11/05/1980		
		WO	00/36410		Symyx Technologies, Inc.	06/22/2000		

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/712,617
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		Number	Kind Code ² (if known)			
		5,504,026		Kung	04/02/1996	
		5,511,428		Goldberg et al.	04/30/1996	
		5,610,325		Rajagopal et al.	03/11/1997	
		5,623,096		Bandyopadhyay	04/22/1997	
		5,659,195		Kaiser et al.	08/19/1997	
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		6,182,499	B1	McFarland et al.	02/06/2001	
		6,196,059		Kosslinger et al.	03/06/2001	
		6,331,438		Aylott et al.	12/18/2001	
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		6,341,532		Xu et al.	01/29/2002	
		6,393,898	B1	Hajduk et al.	05/28/2002	

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Examiner Signature		Date Considered	
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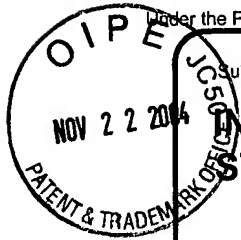
¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Application Number	10/712,617
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Examiner Name	Larkin, Daniel S.
Attorney Docket Number	1012-166C2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Braithwaite, Gavin J.C. and McKinley, Gareth H., "Microrheometry For Studying The Rheology and Dynamics of Polymers Near Interfaces," Appl. Rheol. 9, 1, 27-33 (1999)	
		Fruh, S.M. et al., "Recoverable Shear Measurements in a Parallel Plate Rheometer", AIChE Journal, Vol. 16, No. 6, Nov. 1970, pp. 907-910	
		Schmidt, Martin A., et al., "Design and Calibration of a Microfabricated Floating-Element Shear-Stress Sensor," IEEE Transactions on Electron Devices, Vol. 35, No. 6, 750-757 (1988)	
		Shajii, Javad, et al., "A Microfabricated Floating-Element Shear Stress Sensor Using Wafer-Bonding Technology," Journal of Microelectromechanical Systems Vol. 1, No. 2, 89-94 (1992)	

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